

Title (en)

Electronics tester with a signal distribution board and a wafer chuck having different coefficients of thermal expansion

Title (de)

Elektronischer Tester mit Signalverteiler und Waferhaltevorrichtung mit verschiedenen Wärmeausdehnungskoeffizienten

Title (fr)

Testeur d'électronique muni d'une carte de distribution de signaux et d'un support de tranche ayant différents coefficients de dilatation thermique

Publication

EP 2772768 A1 20140903 (EN)

Application

EP 14161272 A 20080404

Priority

- US 91043307 P 20070405
- EP 08742563 A 20080404
- US 2008004411 W 20080404

Abstract (en)

A tester apparatus of the kind including a portable pack (108) comprising a portable supporting structure (10 and 110) for removably holding and testing a substrate (82) carrying a microelectronic circuit. A plurality of lands (193) forming a first interface and a plurality of contacts (188) connected to the first interface are arranged on the portable supporting structure. An interface on the stationary structure is connected to the first interface when the portable structure is held by the stationary structure and is disconnected from the first interface when the portable supporting structure is removed from the stationary structure. An electrical tester is connected through the interfaces so that signals may be transmitted between the electrical tester and the microelectronic circuit to test the microelectronic circuit.

IPC 8 full level

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CPC (source: EP KR US)

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G01R 31/2865 (2013.01 - EP KR US); **G01R 31/2875** (2013.01 - EP KR US); **G01R 31/2879** (2013.01 - EP KR US);
G01R 31/2889 (2013.01 - EP KR US)

Citation (search report)

- [XY] US 2003237061 A1 20031225 - MILLER CHARLES A [US], et al
- [X] US 7053644 B1 20060530 - LINDSEY SCOTT E [US], et al
- [Y] WO 2006116767 A1 20061102 - AEHR TEST SYSTEMS [US], et al
- [A] DE 3914699 A1 19891116 - GOURDON S A ETS [FR]
- [A] EP 0320660 A2 19890621 - IBM [US]
- [X] US 2006139042 A1 20060629 - KASUKABE SUSUMU [JP]
- [X] WO 2006009061 A1 20060126 - RENESAS TECH CORP [JP], et al
- [X] US 2003122550 A1 20030703 - KANAMARU MASATOSHI [JP], et al
- [X] JP 2001203244 A 20010727 - MATSUSHITA ELECTRIC IND CO LTD
- [X] JP H09115971 A 19970502 - MATSUSHITA ELECTRIC IND CO LTD, et al
- [X] GB 2285348 A 19950705 - YAMAICHI ELECTRONICS CO LTD [JP]

Cited by

US11448695B2; US11592465B2; US11835575B2; KR20190125380A; EP3589965A4; WO2018160557A1; US11635459B2; US11821940B2; US11860221B2

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WO 2008124068 A1 20081016; CN 101952733 A 20110119; CN 101952733 B 20140212; CN 103295949 A 20130911;
CN 103295949 B 20161228; EP 2132580 A1 20091216; EP 2132580 A4 20121219; EP 2132580 B1 20140521; EP 2772768 A1 20140903;
EP 2772768 B1 20190626; JP 2010524235 A 20100715; JP 2014057084 A 20140327; JP 2015073119 A 20150416; JP 2017041640 A 20170223;
JP 2018084584 A 20180531; JP 2019153813 A 20190912; JP 2021040158 A 20210311; JP 2022033145 A 20220228;
JP 2023157947 A 20231026; JP 5400031 B2 20140129; JP 5694480 B2 20150401; JP 6013436 B2 20161025; JP 6254235 B2 20171227;
JP 6538808 B2 20190703; JP 7333376 B2 20230824; KR 101440656 B1 20141103; KR 20100016251 A 20100212; US 10151793 B2 20181211;
US 10718808 B2 20200721; US 10976362 B2 20210413; US 2009015282 A1 20090115; US 2010109696 A1 20100506;
US 2011156745 A1 20110630; US 2012223729 A1 20120906; US 2015285856 A1 20151008; US 2016154053 A1 20160602;
US 2017030965 A1 20170202; US 2018080981 A1 20180322; US 2019072607 A1 20190307; US 2020300908 A1 20200924;
US 7667475 B2 20100223; US 7902846 B2 20110308; US 8198909 B2 20120612; US 9086449 B2 20150721; US 9291668 B2 20160322;
US 9500702 B2 20161122; US 9857418 B2 20180102

DOCDB simple family (application)

US 2008004411 W 20080404; CN 200880018734 A 20080404; CN 201310159573 A 20080404; EP 08742563 A 20080404;
EP 14161272 A 20080404; JP 2010502141 A 20080404; JP 2013221359 A 20131024; JP 2014241129 A 20141128; JP 2016184497 A 20160921;
JP 2017228718 A 20171129; JP 2019106294 A 20190606; JP 2020197424 A 20201127; JP 2021197754 A 20211206;
JP 2023131868 A 20230814; KR 20097023137 A 20080404; US 201113022803 A 20110208; US 201213474581 A 20120517;
US 201514741273 A 20150616; US 201615015051 A 20160203; US 201615293156 A 20161013; US 201715823290 A 20171127;
US 201816172249 A 20181026; US 202016899246 A 20200611; US 6298808 A 20080404; US 68405110 A 20100107